

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: August 19, 2003, 20:18:27 : Search time 2867 Seconds  
(without alignments)  
228 586 Million cell updates/sec

Title: US-09-758-881-115

Perfect score: 20

Sequence: 1 gctccagcatctgccttc 20

Scoring table:

IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 32997241 seqs, 1638322548 residues

Total number of hits satisfying chosen parameters: 19883410

Minimum DB seq length: 0  
Maximum DB seq length: 30

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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4	20	100.0	20	41	US-09-958-236-115

5 18.4 92.0 20 1 PCT-US00-09054-87 Sequence 87, Appl  
6 18.4 92.0 20 2 PCT-US00-09054-87 Sequence 87, Appl  
7 18.4 92.0 20 32 US-09-758-881-87 Sequence 87, Appl  
8 18.4 92.0 20 41 US-09-958-236-87 Sequence 23, Appl  
9 18 90.0 20 1 PCT-US00-09054-23 Sequence 23, Appl  
10 18 90.0 20 2 PCT-US00-09054-23 Sequence 23, Appl  
11 18 90.0 20 32 US-09-758-881-23 Sequence 23, Appl  
12 18 90.0 20 41 US-09-958-236-23 Sequence 23, Appl  
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14 16.8 84.0 25 97 US-09-427-808-534105 Sequence 534105,  
15 15.8 79.0 21 34 US-09-829-990-383 Sequence 383, App  
16 15.8 79.0 21 44 US-10-043-777-383 Sequence 383, App  
17 15.8 79.0 23 44 US-10-029-386-18005 Sequence 18005, A  
18 15.8 79.0 25 20 US-09-396-196F-38135 Sequence 38135, A  
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24 15.8 79.0 25 39 US-09-922-181A-1867 Sequence 1867, Ap  
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27 15.8 79.0 25 39 US-09-922-181A-1870 Sequence 1870, Ap  
28 15.8 79.0 25 39 US-09-922-181A-1871 Sequence 1871, Ap  
29 15.4 77.0 19 49 US-10-266-090-50015 Sequence 50015, A  
30 15.2 76.0 24 5 US-08-024-569-30 Sequence 30, Appl  
31 15.2 76.0 24 7 US-08-273-402A-30 Sequence 30, Appl  
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36 15.2 76.0 25 97 US-06-427-808-566230 Sequence 566230,  
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40 15 75.0 25 97 US-06-427-836-124827 Sequence 124827,  
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43 14.8 74.0 25 20 US-09-396-196F-61212 Sequence 61212, A  
44 14.8 74.0 25 39 US-09-922-181A-1864 Sequence 1864, Ap  
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## ALIGNMENTS

RESULT 1  
PCT-US00-09054-115  
; Sequence 115, Application PCT/TUS0009054  
; GENERAL INFORMATION:  
; APPLICANT: Karas, James G.  
; APPLICANT: ISIS PHARMACEUTICALS, INC.  
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation of  
; FILE REFERENCE: ISPH-0449  
; CURRENT APPLICATION NUMBER: PCT/US00/09054  
; CURRENT FILING DATE: 2000-04-06  
; EARLIER APPLICATION NUMBER: US 09/288,461  
; EARLIER FILING DATE: 1999-04-08  
; NUMBER OF SEQ ID NOS: 151  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 115  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense oligonucleotide  
PCT-US00-09054-115

Query Match 100.0%; Score 20; DB 1; Length 20;  
Best Local Similarity 100.0%; Pred. No. 6.3e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTTC 20  
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Db 1 GCTCCAGCATCTGCTGCTTC 20

RESULT 2  
PCT-US00-09054-115  
; Sequence 115, Application PCT/TUS0009054  
; GENERAL INFORMATION:  
; APPLICANT: Karas, James G.  
; APPLICANT: ISIS PHARMACEUTICALS, INC.  
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation of  
; FILE REFERENCE: ISPH-0449  
; CURRENT APPLICATION NUMBER: PCT/US00/09054  
; CURRENT FILING DATE: 2000-04-06  
; EARLIER APPLICATION NUMBER: US 09/288,461  
; EARLIER FILING DATE: 1999-04-08  
; NUMBER OF SEQ ID NOS: 151  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 115  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense oligonucleotide  
PCT-US00-09054-115

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Best Local Similarity 100.0%; Pred. No. 6.3e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTTC 20  
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Db 1 GCTCCAGCATCTGCTGCTTC 20

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; Sequence 115, Application US/09758881  
; GENERAL INFORMATION:  
; APPLICANT: Karas, James G.  
; APPLICANT: Antisense Oligonucleotide Modulation of STAT3  
; TITLE OF INVENTION: Expression  
; FILE REFERENCE: ISPH-0532  
; CURRENT APPLICATION NUMBER: US/09/758,881  
; CURRENT FILING DATE: 2001-01-11  
; PRIOR APPLICATION NUMBER: PCT/US00/09054  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 09/288,461  
; PRIOR FILING DATE: 1999-04-08  
; NUMBER OF SEQ ID NOS: 152  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 115  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-758-881-115

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Best Local Similarity 100.0%; Pred. No. 6.3e+02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTTC 20  
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Db 1 GCTCCAGCATCTGCTGCTTC 20

RESULT 4  
US-09-958-236-115  
; Sequence 115, Application US/09958236

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; GENERAL INFORMATION:
; APPLICANT: Karras, James G.
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; TITLE OF INVENTION: Antisense oligonucleotide Modulation of
; TITLE OF INVENTION: STAT3 Expression
; FILE REFERENCE: ISPH-0449
; CURRENT APPLICATION NUMBER: US/09/958,236
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 09/288,461
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 115
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Antisense oligonucleotide
US-09-958-236-115
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Best Local Similarity 100.0%; Pred. No. 6.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; Sequence 87, Application PC/TUS0009054
; GENERAL INFORMATION:
; APPLICANT: Karras, James G.
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; TITLE OF INVENTION: Antisense oligonucleotide Modulation of
; TITLE OF INVENTION: STAT3 Expression
; FILE REFERENCE: ISPH-0449
; CURRENT APPLICATION NUMBER: PCT/US00/09054
; CURRENT FILING DATE: 2000-04-06
; EARLIER APPLICATION NUMBER: US 09/288,461
; EARLIER FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense oligonucleotide
PCT-US00-09054-87
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Best Local Similarity 95.0%; Pred. No. 2.8e+03;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db      1 GCTCCAGCATCTGCTGCTTC 20
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PCT-US00-09054-87
; Sequence 87, Application PC/TUS0009054
; GENERAL INFORMATION:
; APPLICANT: Karras, James G.
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; TITLE OF INVENTION: Antisense oligonucleotide Modulation of
; TITLE OF INVENTION: STAT3 Expression
; FILE REFERENCE: ISPH-0449
; CURRENT APPLICATION NUMBER: PCT/US00/09054
; CURRENT FILING DATE: 2000-04-06
; EARLIER APPLICATION NUMBER: US 09/288,461
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; EARLIER FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Antisense oligonucleotide
PCT-US00-09054-87
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Query Match          92.0%; Score 18.4; DB 2; Length 20;
Best Local Similarity 95.0%; Pred. No. 2.8e+03;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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OY      1 GCTCCAGCATCTGCTGCTTC 20
Db      1 GCTCCAGCATCTGCTGCTTC 20
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US-09-758-881-87
; Sequence 87, Application US/09758881
; GENERAL INFORMATION:
; APPLICANT: Karras, James G.
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; TITLE OF INVENTION: Antisense oligonucleotide Modulation of STAT3
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0532
; CURRENT APPLICATION NUMBER: US/09/758,881
; CURRENT FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/09054
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 09/288,461
; PRIOR FILING DATE: 1999-04-08
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; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 87
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-758-881-87
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Best Local Similarity 95.0%; Pred. No. 2.8e+03;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db      1 GCTCCAGCATCTGCTGCTTC 20
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; Sequence 87, Application US/09958236
; GENERAL INFORMATION:
; APPLICANT: Karras, James G.
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; TITLE OF INVENTION: Antisense oligonucleotide Modulation of
; TITLE OF INVENTION: STAT3 Expression
; FILE REFERENCE: ISPH-0449
; CURRENT APPLICATION NUMBER: US/09/958,236
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 09/288,461
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 151
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; SEQ ID NO 87
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; ORGANISM: Artificial Sequence
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OTHER INFORMATION: Antisense oligonucleotide  
US-09-958-236-87

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Best Local Similarity 95.0%; Pred. No. 2.8e+03;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 1 GCTCCAGCATCTGCTGCT 20

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Sequence 23, Application PC/TUS0009054  
GENERAL INFORMATION:  
APPLICANT: Karras, James G.  
APPLICANT: ISIS PHARMACEUTICALS, INC.  
TITLE OF INVENTION: Antisense oligonucleotide Modulation of  
TITLE OF INVENTION: STAT3 Expression  
FILE REFERENCE: ISPH-0449  
CURRENT APPLICATION NUMBER: PCT/US00/09054  
CURRENT FILING DATE: 2000-04-06  
EARLIER APPLICATION NUMBER: US 09/288,461  
EARLIER FILING DATE: 1999-04-08  
NUMBER OF SEQ ID NOS: 151  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO: 23  
LENGTH: 20  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Antisense oligonucleotide  
PCT-US00-09054-23

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Best Local Similarity 100.0%; Pred. No. 4.1e+03;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 3 GCTCCAGCATCTGCTGCT 20

RESULT 10  
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Sequence 23, Application PC/TUS0009054  
GENERAL INFORMATION:  
APPLICANT: Karras, James G.  
APPLICANT: ISIS PHARMACEUTICALS, INC.  
TITLE OF INVENTION: Antisense oligonucleotide Modulation of  
TITLE OF INVENTION: STAT3 Expression  
FILE REFERENCE: ISPH-0449  
CURRENT APPLICATION NUMBER: PCT/US00/09054  
CURRENT FILING DATE: 2000-04-06  
EARLIER APPLICATION NUMBER: US 09/288,461  
EARLIER FILING DATE: 1999-04-08  
NUMBER OF SEQ ID NOS: 151  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO: 23  
LENGTH: 20  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Antisense oligonucleotide  
PCT-US00-09054-23

Query Match 90.0%; Score 18; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.1e+03;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GCTCCAGCATCTGCTGCT 18  
||||| |||||||

DB 3 GCTCCAGCATCTGCTGCT 20

RESULT 11  
US-09-758-881-23  
Sequence 23, Application US/09758881  
GENERAL INFORMATION:  
APPLICANT: Karras, James G.  
APPLICANT: ISIS PHARMACEUTICALS, INC.  
TITLE OF INVENTION: Antisense oligonucleotide Modulation of STAT3  
TITLE OF INVENTION: Expression  
FILE REFERENCE: ISPH-0532  
CURRENT APPLICATION NUMBER: US/09/758,881  
CURRENT FILING DATE: 2001-01-11  
PRIOR APPLICATION NUMBER: PCT/US00/09054  
PRIOR FILING DATE: 2000-04-06  
PRIOR APPLICATION NUMBER: 09/288,461  
PRIOR FILING DATE: 1999-04-08  
NUMBER OF SEQ ID NOS: 152  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO: 23  
LENGTH: 20  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-758-881-23

Query Match 90.0%; Score 18; DB 32; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.1e+03;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCT 18  
||||| |||||||  
DB 3 GCTCCAGCATCTGCTGCT 20

RESULT 12  
US-09-958-236-23  
Sequence 23, Application US/09958236  
GENERAL INFORMATION:  
APPLICANT: Karras, James G.  
APPLICANT: ISIS PHARMACEUTICALS, INC.  
TITLE OF INVENTION: Antisense oligonucleotide Modulation of  
TITLE OF INVENTION: STAT3 Expression  
FILE REFERENCE: ISPH-0449  
CURRENT APPLICATION NUMBER: US/09/958,236  
CURRENT FILING DATE: 2001-10-05  
PRIOR APPLICATION NUMBER: US 09/288,461  
PRIOR FILING DATE: 1999-04-08  
NUMBER OF SEQ ID NOS: 151  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO: 23  
LENGTH: 20  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Antisense oligonucleotide  
US-09-958-236-23

Query Match 90.0%; Score 18; DB 41; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.1e+03;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCT 18  
||||| |||||||  
DB 3 GCTCCAGCATCTGCTGCT 20

RESULT 13  
US-60-427-808-534105/c  
Sequence 534105, Application US/60427808  
GENERAL INFORMATION:  
APPLICANT: Xue Mei Zhou

```

: TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
: FILE REFERENCE: 3528
: CURRENT APPLICATION NUMBER: US/60/427,808
: CURRENT FILING DATE: 2002-11-20
: NUMBER OF SEQ ID NOS: 982914
: SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
: SEQ ID NO 534105
: LENGTH: 25
: TYPE: DNA
: ORGANISM: Mus musculus
: US-60-427-808 534105

```

```

Query Match      84.0%; Score 16.8; DB 97; Length 25;
Best Local Similarity 90.0%; Pred. No. 1.3e+04;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 GCTCCAGCATCTGCTGCTTC 20
          ||| ||| ||| ||| ||| |||
DB      23 GCTCCAGCATCTGCTGCTTC 4

```

```

RESULT 14
US-60-427-836-300647/c
: Sequence 300647, Application US/60427836
: GENERAL INFORMATION:
: APPLICANT: Xue Mei Zhou
: TITLE OF INVENTION: Methods of Genetic Analysis of Rat
: FILE REFERENCE: 3527
: CURRENT APPLICATION NUMBER: US/60/427,836
: CURRENT FILING DATE: 2002-11-20
: NUMBER OF SEQ ID NOS: 699466
: SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
: SEQ ID NO 300647
: LENGTH: 25
: TYPE: DNA
: ORGANISM: Rattus norvegicus
: US-60-427-836-300647

```

```

Query Match      84.0%; Score 16.8; DB 97; Length 25;
Best Local Similarity 90.0%; Pred. No. 1.3e+04;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 GCTCCAGCATCTGCTGCTTC 20
          ||| ||| ||| ||| ||| |||
DB      20 GCTCCAGCATCTGCTGCTTC 1

```

```

RESULT 15
US-09-829-990-383
: Sequence 383, Application US/09829990
: GENERAL INFORMATION:
: APPLICANT: Housman, David E.
: APPLICANT: Ledley, Fred D.
: APPLICANT: Stanton, Vincent P.
: TITLE OF INVENTION: TARGET GENES FOR ALLELE-SPECIFIC DRUGS
: FILE REFERENCE: 11926-059002
: CURRENT APPLICATION NUMBER: US/09/829,990
: CURRENT FILING DATE: 2001-04-10
: PRIOR APPLICATION NUMBER: 09/045,053
: PRIOR FILING DATE: 1998-03-19
: PRIOR APPLICATION NUMBER: 60/041,057
: PRIOR FILING DATE: 1997-03-20
: NUMBER OF SEQ ID NOS: 1022
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 383
: LENGTH: 21
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (0)...(0)
: OTHER INFORMATION: n = g or a
US-09-829-990-383

```

```

Query Match      79.0%; Score 15.8; DB 34; Length 21;
Best Local Similarity 85.0%; Pred. No. 3.2e+04;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

QY      1 GCTCCAGCATCTGCTGCTTC 20
          ||| ||| ||| ||| ||| |||
DB      2 GCTCCAGCATCTGCTGCTGC 21

```

```

Search completed, August 19, 2003, 22:09:59
Job time : 2868 secs

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